

EMITTER AND METHOD OF MAKING

ABSTRACT

5 An emitter includes an electron supply and a tunneling layer disposed on the
electron supply. A cathode layer is disposed on the tunneling layer. A conductive
electrode has multiple layers of conductive material. The multiple layers include a
protective layer disposed on the cathode layer. The conductive electrode has been
etched to define an opening thereby exposing a portion of the cathode layer.

10